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BEFORE THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Int'l. Appln. No.: PCT/CA00/00981

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Priority: Canadian Patent Appln. 2,280,966  
filed August 26, 1999  
United States Pat. Appln. 09/505,732  
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Title: ELECTRIC FIELD SENSOR

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The Commissioner of Patents and Trademarks,  
Washington, D.C. 20231.Preliminary Amendment

Please cancel claims 1 through 21 presently on file in the International Appln. PCT/CA00/00981 and substitute therefor new claims 22 through 41 as follows:

*SUSP* 22. An electric potential sensor for detecting an electrical potential difference present over a source surface comprising:

- A1*
- (1) a voltage divider network including at one end a pick-up electrode with a face surface having an insulating layer positioned adjacent to said face surface for placement next to a source surface whose electrical field is to be sensed through capacitive coupling
  - (2) an electrical coupling at the other end of the voltage divider network for connection to another portion of the source surface over which an electrical potential difference exists; and
  - (3) voltage sensing means for providing a voltage output, said voltage sensing means having an input capacitance